



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090832

**Mode:** Highway

**Status:** Submitted

### I-240

**From/Cross Street:** US 25 (Merrimon Avenue)

**Specific Improvement Type:** 8 - Improve Interchange

**To:**

**Project Category:** Statewide Mobility

**Length:** 2

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$31,404,000

#### Description:

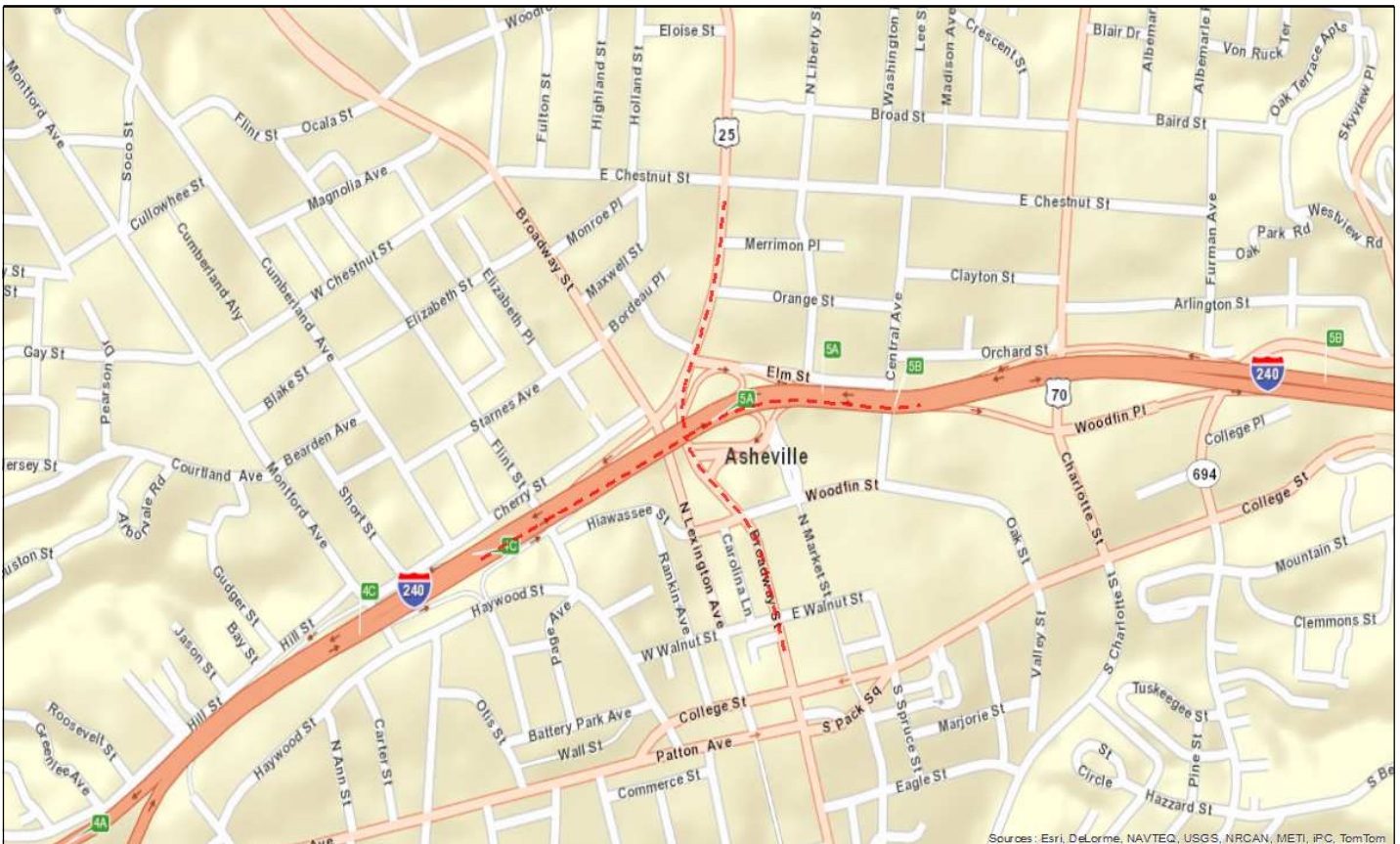
I-240/Merrimon Avenue - interchange Redesign.

**Division(s):** Division 13

**County(s):** BUNCOMBE

**MPOS(s)/RPO(s):** French Broad River MPO

#### Project Location



**Statewide Mobility Total Score: 39.38**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (30%) 93.16 [Travel Time] Benefit/Cost (30%) 4.67 Safety (10%) 66.65 Economic Competitiveness (10%) 7.56 Multimodal + [Freight & Military] (20%) 13.05  <b>Totals: Weight: 100% Weighted Score: 39.38</b>	N/A	N/A

**Regional Impact Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Accessibility / Connectivity (10%) 28.73 Congestion (V/C) (25%) 93.16 Safety (10%) 66.65 [Travel Time] Benefit/Cost (25%) 4.67  <b>Totals: Weight: 70% Weighted Score: 34</b>	Percent: 15% Points:	Percent: 15% Points:

**Division Needs Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
[Travel Time] Benefit/Cost (20%) 4.67 Congestion (V/C) (20%) 93.16 Safety (10%) 66.65  <b>Totals: Weight: 50% Weighted Score: 26.23</b>	Percent: 25% Points:	Percent: 25% Points:

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	2
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	10
Roadway has Curb & Gutter?	No
Volume (AADT):	86183.85
Capacity:	88112.82
Volume/Capacity Ratio:	0.98
% Autos:	97%
% Trucks:	3%
Truck Volume:	2609.8
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	100
Severity Index:	33.3
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	18
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	99
Actual Congested Speed:	32.61
Travel Time Index:	1.69

**Project Benefits**

Project Cross-Section:	
Speed Limit:	55
Length (miles):	2
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	6588000
Travel Time Savings for 30 Years (Autos):	6388503.52
Travel Time Savings for 30 Years (Trucks):	199496.48
Long-Term Employment:	122
% Change in Economy:	2.91E-05
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 13

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 13	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
French Broad River MPO	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$30,324,000	TIP Unit
Right-of-Way Cost:	\$1,080,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$31,404,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$31,404,000</b>	